

HEMTT

HEAVY EXPANDED MOBILITY TACTICAL TRUCK M977 SERIES TRUCK



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



HEMTT

GENERAL DESCRIPTION

The U. S. Army M977 series truck has been developed by Oshkosh Truck Corporation for cross-country military missions carrying payloads up to 11 tons (9 979 kg). Oshkosh design objectives gave prime consideration to industry proven heavy-duty truck components, ease of maintenance and interchangeability of major parts within the vehicle series. All models include a 445 or 450 horsepower diesel engine, 4-speed automatic transmission and a 2-speed Oshkosh transfer case with air operated front tandem axle disconnect. The front tandem steering axles and rear tandem axles are all single reduction, with driver controlled inter-axle differential locks.

All vehicle systems are of proven quality and reflect the same high standard of reliability found in other Oshkosh products used throughout the world. The gross vehicle weight ratings (GVWR) range from 62,000 lbs. (28 123 kg) to 95,000 lbs. (43 091 kg), with maximum gradeability of 60 percent with its payload of 22,000 lbs. (9 979 kg). Based on U.S. Army comparison test vehicle data, these vehicles have a cruising range of 400 miles (644 km); the top speed is 62 mph (100 kph).

The M977 series models include five cargo trucks; a truck tractor; a fuel servicing truck and potable water truck with 2,500 gallon (9 464 litres) stainless steel tanks, and a recovery vehicle with crane and winch. Standard military features include front and rear tow eyes, blackout lights, 24-volt electrical system, and rear pintle hook for towing trailers and artillery. All models are C130 air transportable and are capable of fording water crossings up to 48 inches (1 219 mm) deep.

These trucks are used for direct rearming of the Multiple Launch Rocket System; transport or Patriot erector/launchers; resupply of field artillery ammunition and forward area rearm vehicles in armor, cavalry and infantry units; refueling of tracked and wheeled vehicles and helicopters in the forward areas; and recovery of disabled wheeled and tracked vehicles. For use as a resupply vehicle, it is equipped with a 47,500 ft lb. (6.6 Tm) or 89,100 ft lb. (12.3 Tm) capacity material handling crane. The recovery vehicle is equipped with a crane and mid-ship mounted 60,000 lbs. recovery winch. When operating in the wrecker mode, its retrieval system lift capacity is 25,000 pounds (11 340 kg). A mid-ship mounted self-recovery winch is standard or optional on all models.

For reference only. Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication but are subject to change without notice. Ratings are general guidelines. Actual ratings vary with application and duty cycle. Illustrations may include optional equipment and accessories but may not include all standard equipment. Consult Oshkosh Truck Corporation for additional information.



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M977 Cargo Truck

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 38,800 lbs (17,600 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp
12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

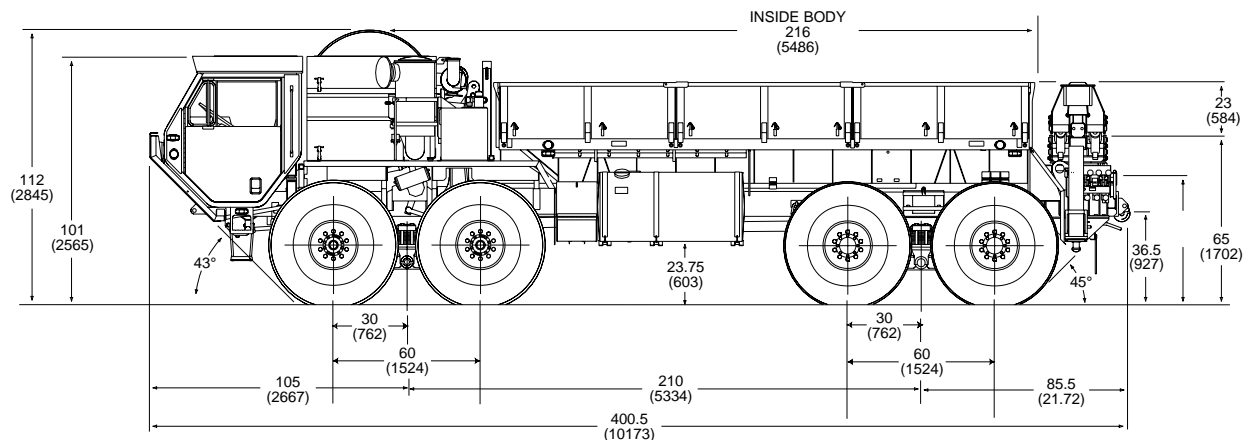
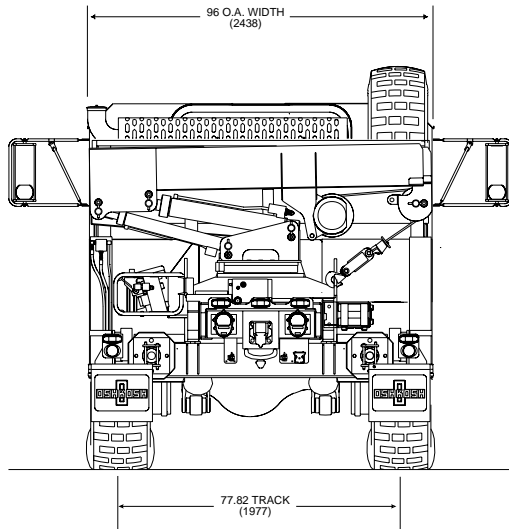
Retrieval System: N/A

Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: Grove 2,500 lbs (1,134 Kg)
@ 19 ft (5.79 m)



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M977 EPP

(Electrical Power Plant)

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 38,000 lbs (17,237 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp
12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

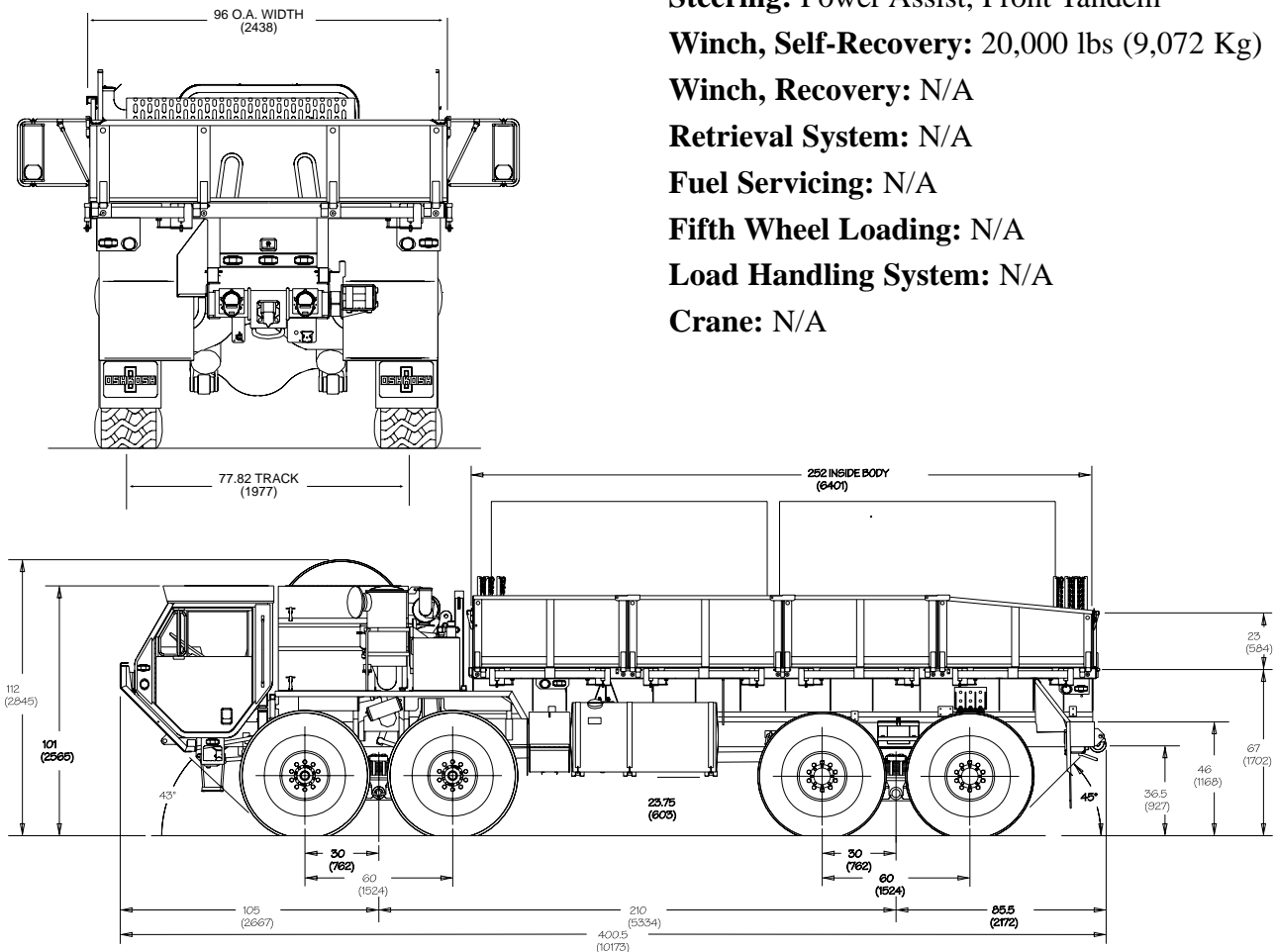
Retrieval System: N/A

Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: N/A



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M977 LRPT

(Large Repairs Parts Transporter)

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 38,000 lbs (17,237 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp
12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

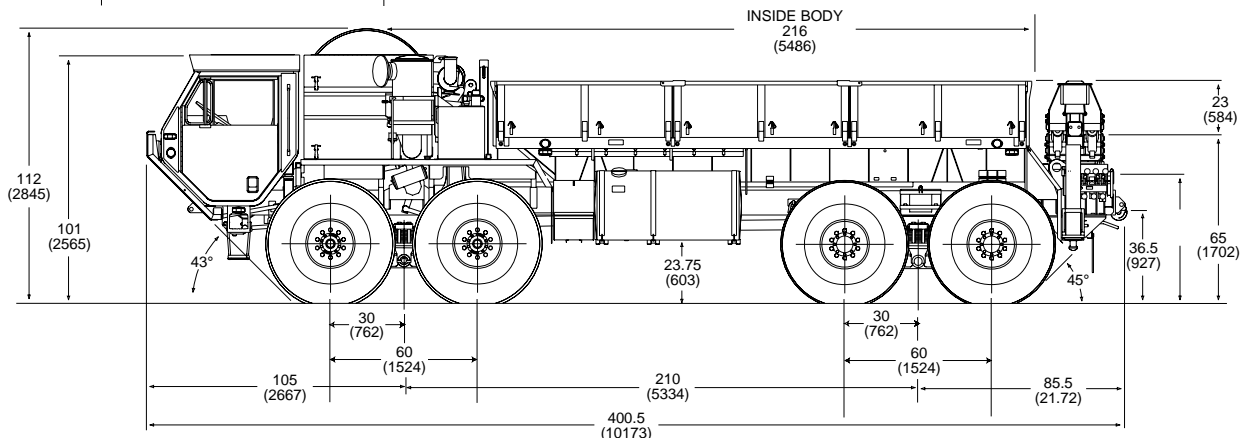
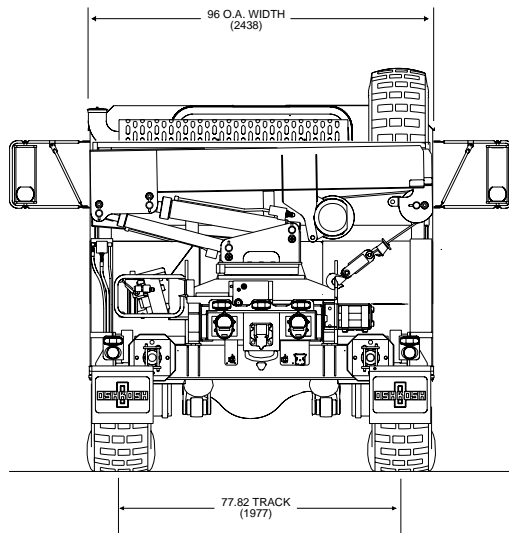
Retrieval System: N/A

Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: Grove 2,500 lbs (1,134 Kg)
@ 19 ft (5.79 m)



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M977 HEMTT-LHS (XM1120)

(Heavy Expanded Mobility Tactical Truck with Load Handling System)
and
M1977 CBT
(Common Bridge Transporter)

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: HEMTT-LHS = 35,500 lbs
CBT = 37,240

Gross Vehicle Weight Rating (GVWR):
66,000 lbs

**Gross Combined Weight Rating
(GCWR):** 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)
Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp
12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/36,000 lb spring
& equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

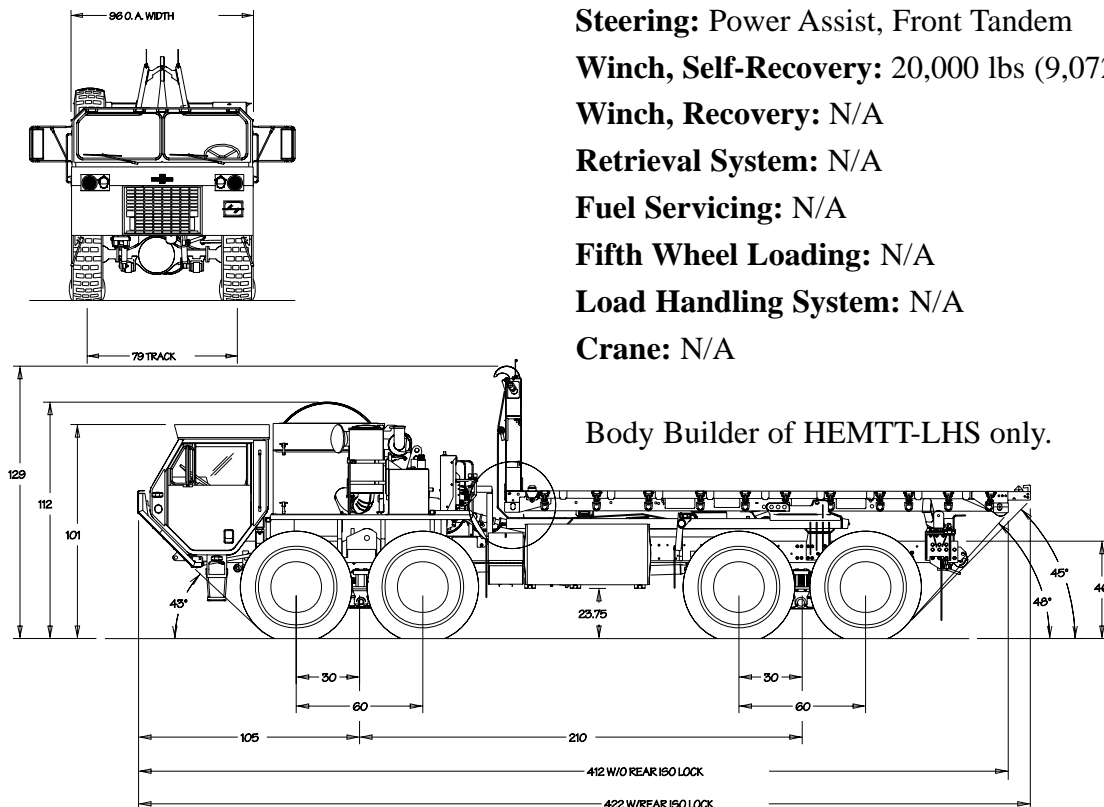
Retrieval System: N/A

Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: N/A



Body Builder of HEMTT-LHS only.



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M978 Fuel Servicing Truck

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 38,200 lbs (17,300 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp

12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

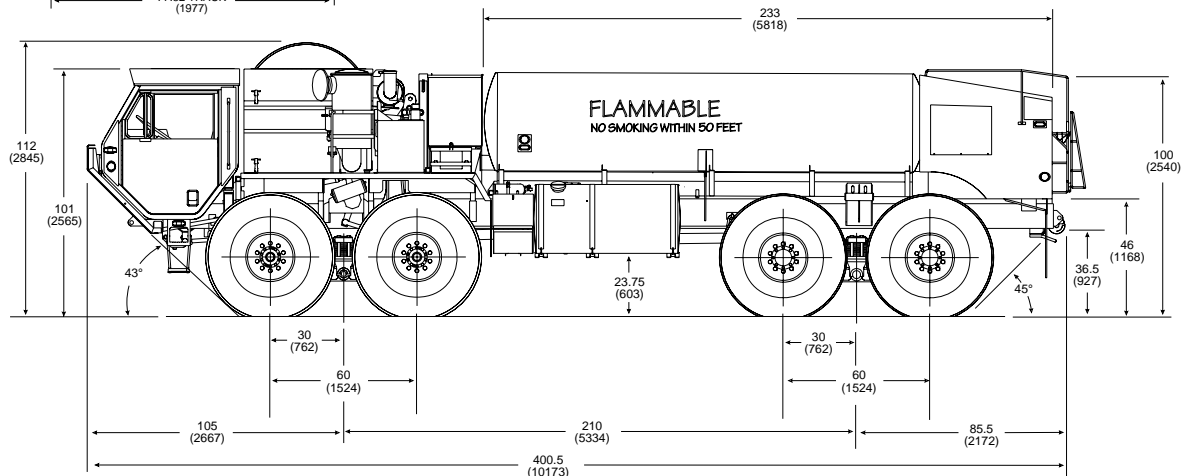
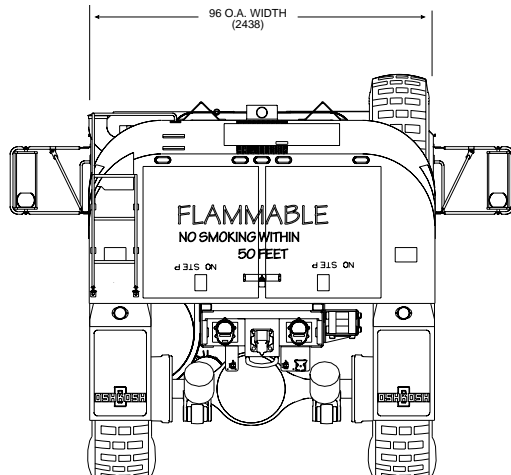
Retrieval System: N/A

Fuel Servicing: 2,500 gal (9,464 liter) for gas,
diesel and jet fuel

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: N/A



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M978 Potable Water Servicing Tank

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 38,200 lbs (17,300 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp

12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

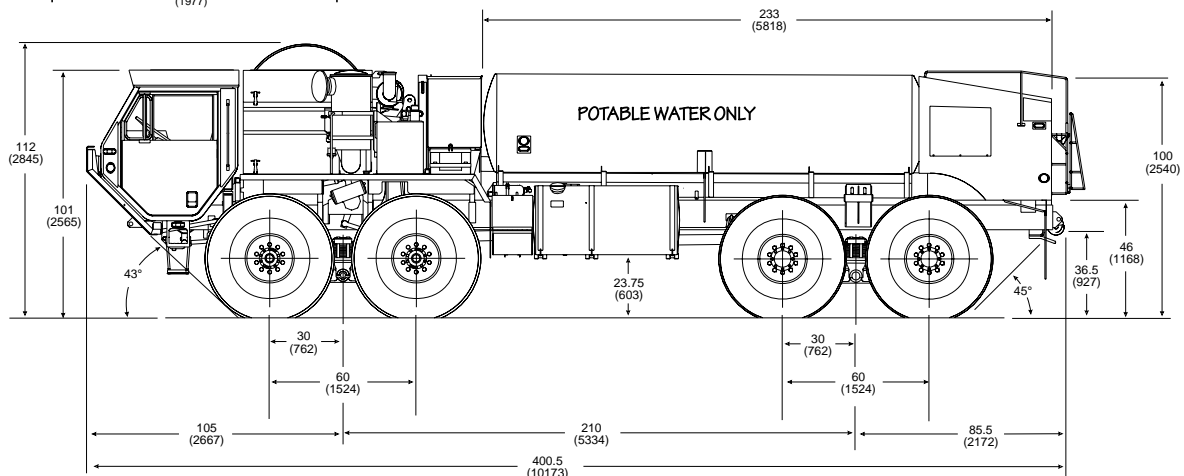
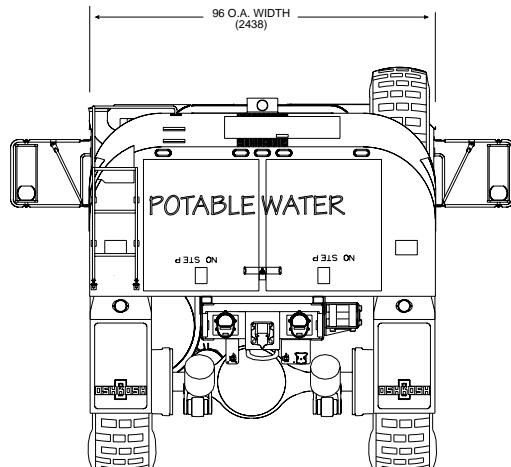
Retrieval System: N/A

Fuel Servicing: 2,500 gal (9,464 liter)

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: N/A



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M983 Truck Tractor

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 32,200 lbs (14,600 kg)

Gross Vehicle Weight Rating (GVWR):

62,000 lbs (28,123 kg)

**Gross Combined Weight Rating
(GCWR):** N/A

Length: 350.5" (8,903 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 191" (4,850 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp
12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS480

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT340 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

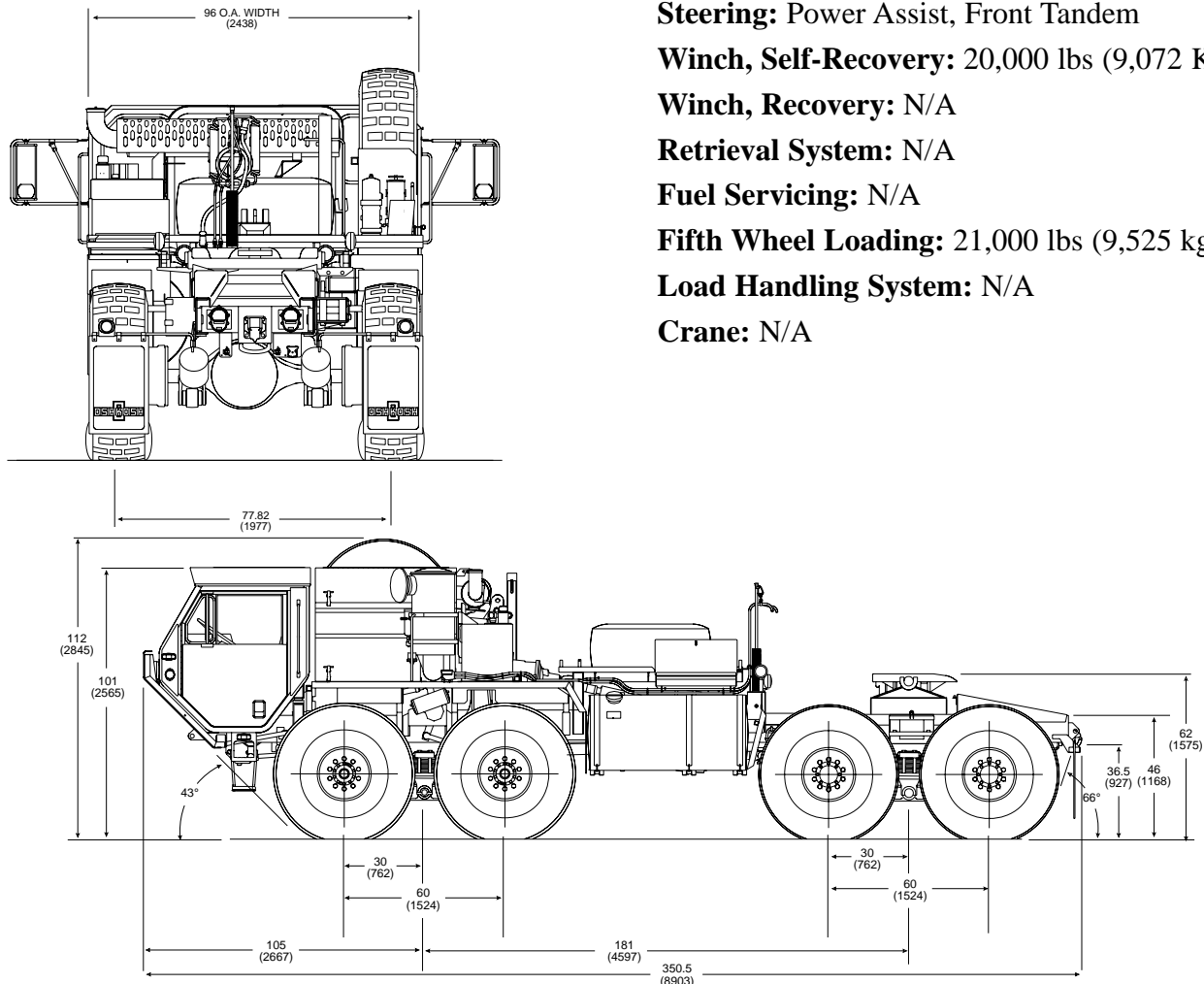
Retrieval System: N/A

Fuel Servicing: N/A

Fifth Wheel Loading: 21,000 lbs (9,525 kg)

Load Handling System: N/A

Crane: N/A



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M984A1 Recovery Truck

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 50,900 lbs (23,100 kg)

Gross Vehicle Weight Rating (GVWR):

95,000 lbs (43,091 kg)

Gross Combined Weight Rating

(GCWR): 155,000 lbs (73,308 kg)

Length: 393" (9,980 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 79" (1,977 mm)

Wheelbase: 191" (4,850 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp

12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS650

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT650 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: 60,000 lbs (27,240 kg)

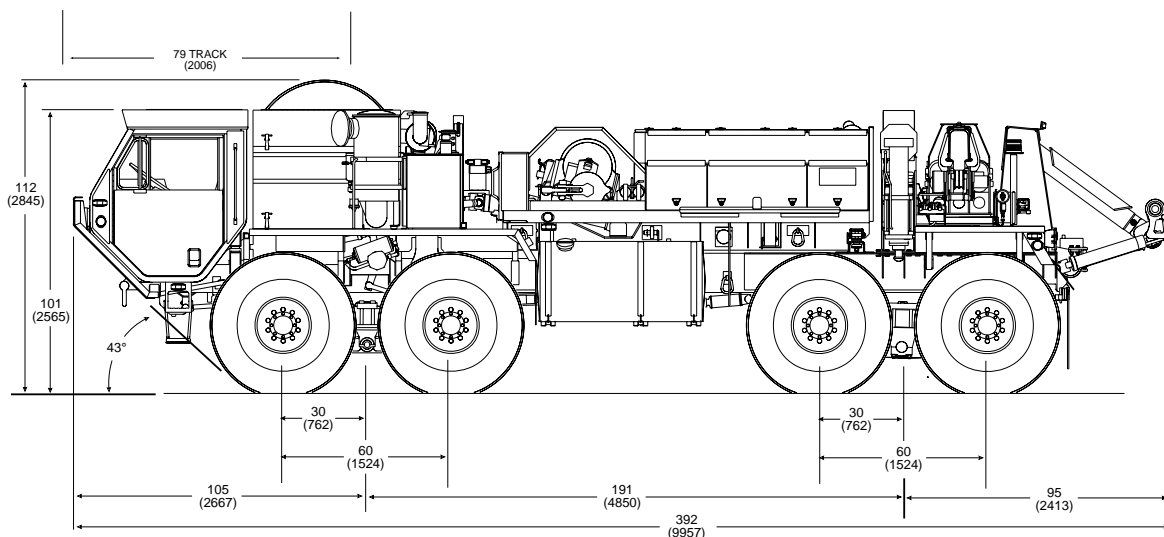
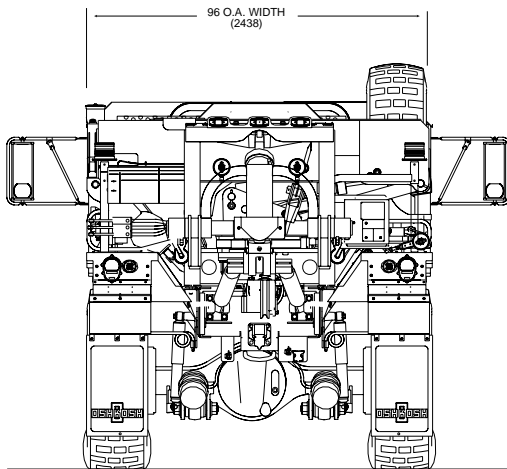
Retrieval System: 25,000 lbs (11,340 kg)
lift capacities

Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: Grove 14,000 lbs (6,350 kg)
@ 9 ft (2.74 m)



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M985 Cargo Truck

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 39,650 lbs (30,844 kg)

Gross Vehicle Weight Rating (GVWR):

68,000 lbs (30,844 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp

12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS380

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT380 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

Retrieval System: N/A

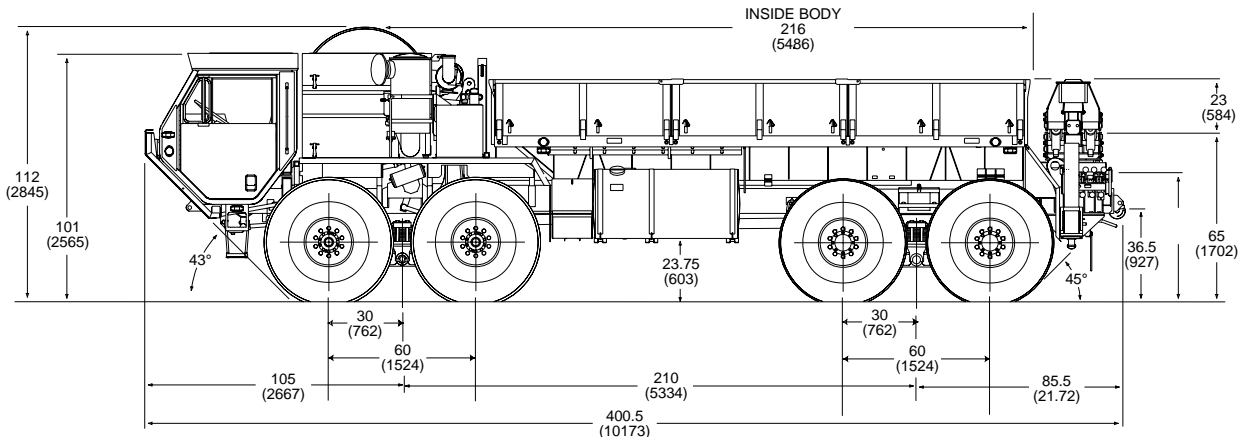
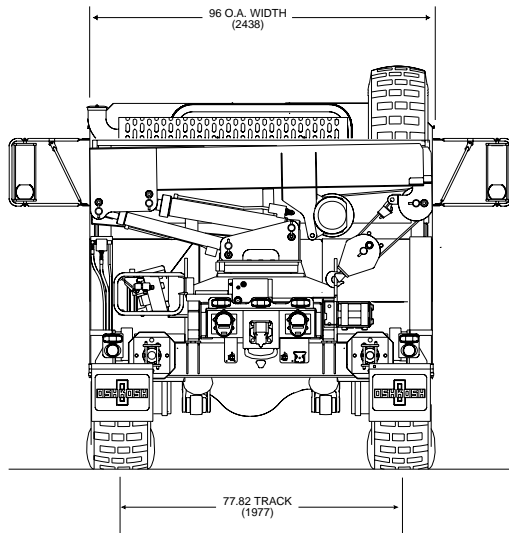
Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: Grove 5,400 lbs (2,499 Kg)

@ 16.5 ft (5.03 m)



Oshkosh Truck Corporation

ADVANCING TRUCK TECHNOLOGY



M985 GMT

(Guided Missile Transporter)

Cab Seating: 2 Man

Axle Configuration: 8 x 8

Curb Weight: 42,900 lbs (19,500 kg)

Gross Vehicle Weight Rating (GVWR):

68,000 lbs (28,123 kg)

Gross Combined Weight Rating

(GCWR): 100,000 lbs (45,360 kg)

Length: 400.5" (10,173 mm)

Width: 96" (2,438 mm)

Height (over spare tire): 112" (2,845 mm)

Track: 77.82" (1,977 mm)

Wheelbase: 210" (5,334 mm)

Maximum Speed: 62 mph (100 Kph)

Tires: 16.00 R20 XZL Michelin w/tubes

Number of Tires: 8 + 1 Spare

Optional Central Tire Inflation

Fuel Capacity: 155 gal (587 liter)

Cruising Range (GCW): 400 mi (644 Km)

Cross Country Avg.

Fording: 48 in (1,219 mm)

Air Transportability: C130, C141

Engine: DDC Model 8V92TA/445 or 450 hp

12.1 liter

Transmission: Allison HT740/4-speed Automatic

Transfer Case: Oshkosh 55,000/2-speed

Axles:

Front - Oshkosh 46K

Rear - Eaton DS380

Suspension:

Front - Hendrickson RT340 w/equalizing beam

Rear - Hendrickson RT380 w/equalizing beam

Electrical System: 24V - Start/24 V - Lighting

Brakes: Drum type, Air actuated S-Cam

Steering: Power Assist, Front Tandem

Winch, Self-Recovery: 20,000 lbs (9,072 Kg)

Winch, Recovery: N/A

Retrieval System: N/A

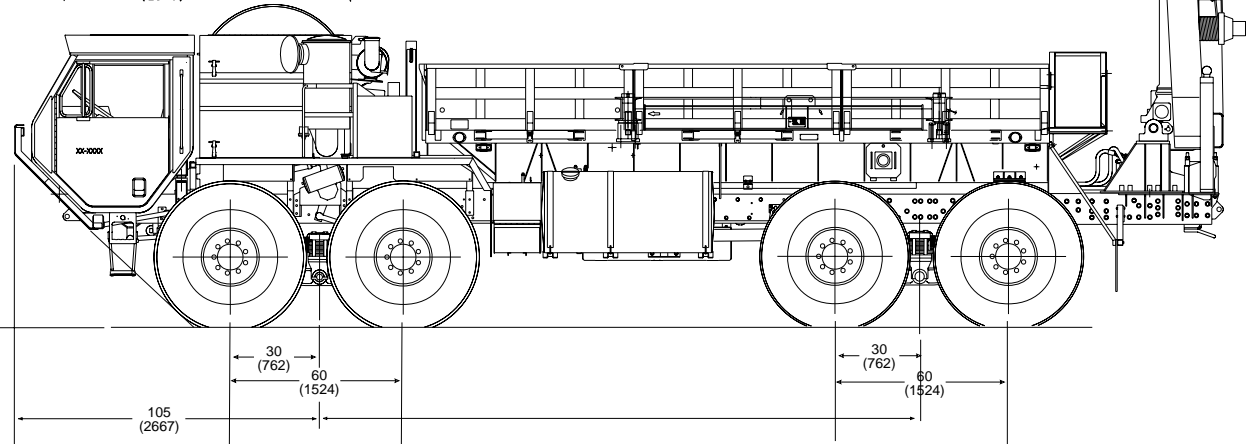
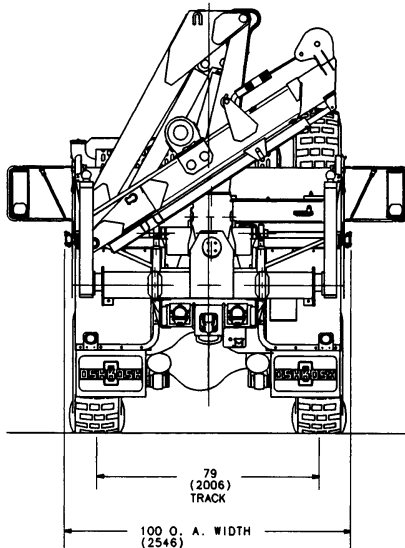
Fuel Servicing: N/A

Fifth Wheel Loading: N/A

Load Handling System: N/A

Crane: Hiab 8108/2 5,400 lbs @ 16.5 ft

4,500 lbs (2041 kg) 20 ft



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